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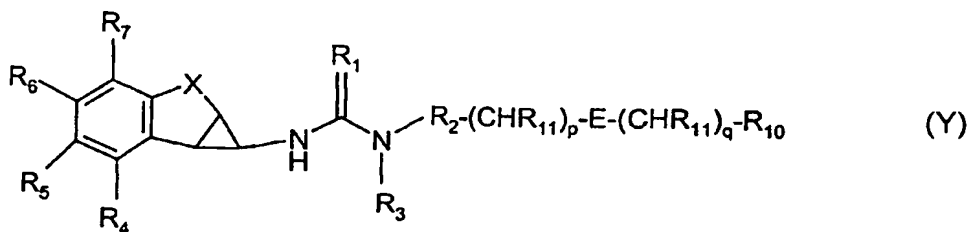
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(54) Title: **NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS**

(57) Abstract: A compound of the formula (Y): where;  $R_1$  is O, S;  $R_2$  is a nitrogen-containing heterocycle;  $R_3$  is H,  $C_1$ - $C_3$  alkyl; X is  $-(CR_8R_8')_n-D-(CR_8R_8')_m$ ; D is a bond,  $-NR_9$ -,  $-O$ -,  $-S$ -,  $-S(=O)$ - or  $-S(=O)_2$ -; n and m are independently 0, 1 or 2,  $R_8$  and  $R_8'$  are independently H,  $C_1$ - $C_3$  alkyl, halo $C_1$ - $C_3$ alkyl, hydroxy, or  $R_8$  and  $R_8'$  together with their adjacent C atom is  $-C(=O)-$ ;  $R_9$  is independently H,  $C_1$ - $C_3$  alkyl; E is  $CH_2$ -,  $-CHOH$ -,  $-C(=O)$ -,  $-NR_9$ -,  $-O$ -,  $-S$ -,  $-S(=O)_2$ -; n and m are independently 0, 1 or 2; p and q are independently 0, 1 or 2, where  $p+q \leq 2$ ;  $R_{10}$  is an optionally substituted carbocycle or heterocycle;  $R_{11}$  is independently H,  $C_1$ - $C_3$  alkyl, halo substituted  $C_1$ - $C_3$ alkyl, hydroxy; have utility as HIV antivirals.

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